

**CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION ESTIMATED OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2004 IRRIGATION WATER RATES**

Facility/Contractor	Estimated O&M & Corps Expense	General Expense Allocation 9/		Sub-total	Estimated Project Use Energy Cost	Total Estimated Costs
	1/	Ratio of Total	Allocated Amount		Sch A-10/A-11	
<u>Storage</u>						
American River (incl Sugar Pine D&R)	1,067			1,067		1,067
Black Butte Reservoir	491,851 3/			491,851		491,851
Buchanan Reservoir	295,600 3/			295,600		295,600
C W P S C						
Clear Creek Tunnel						
Columbia-Mowry System	157,251			157,251	8,475	165,726
Coleman National Fish Hatchery	2,345,977			2,345,977		2,345,977
Delta Cross Channel	340,175			340,175		340,175
Folsom D&R	1,338,465			1,338,465		1,338,465
Folsom Pipeline						
Folsom Pumping Plant	355,738			355,738		355,738
Friant D&R	1,169,381			1,169,381		1,169,381
Gianelli, WR Pump Generator Plant	6/				2,222,411	2,222,411
Less: WRGPG Dir Pump	6/					
Regeneration Credit					(1,613,028)	(1,613,028)
Hidden Reservoir	114,800 3/			114,800		114,800
Hill, CA Whiskeytown Dam	221,694			221,694		221,694
New Melones D&R	445,008			445,008	1,322	446,330
Nimbus D&R	436,003			436,003		436,003
Sacramento River	411,981			411,981		411,981
San Joaquin River	122,248			122,248		122,248
Shasta D&R	1,178,009			1,178,009	59,938	1,237,947
Sisk, BF San Luis Dam	4,490,006			4,490,006		4,490,006
TCD Feasibility Study	34,470			34,470		34,470
Trinity D&R	341,437			341,437		341,437
Total Storage 7/	14,291,161			14,291,161	679,119	14,970,280
<u>Conveyance</u>						
Corning Canal						
Delta-Mendota Canal	211,794			211,794		211,794
Delta-Mendota Pool						
Friant-Kern Canal	57,047			57,047		57,047
Life Safety Codes	116,970			116,970		116,970
Little Panoche Crk Det Dam						
Los Banos Creek Det Dam						
Madera Canal						
O'Neill D&R						

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<u>Conveyance (Continued)</u>	1/					
Red Bluff Diversion Dam	240,958			240,958		240,958
Red Bluff Pumping Plant	230,821			230,821		230,821
San Luis Canal	11,854			11,854		11,854
San Luis Canal Turnouts						
Tehama-Colusa Canal/Funks Dam	101,336			101,336		101,336
Tehama-Colusa Canal Fish Facilities	5,084			5,084		5,084
Conveyance (Direct Billed)	975,864			975,864		975,864
<u>Conveyance Pumping</u>						
Corning Pumping Plant					53,197	53,197
Dos Amigos Pumping Plant					1,308,942	1,308,942
O'Neill Pump Gen Plant - Federal	122,158			122,158	634,488	756,646
Tracy Pumping Plant - Federal	327,280			327,280	5,560,295	5,887,575
Total Conveyance Pumping (Direct Billed)	449,438			449,438	7,556,922	8,006,360
<u>Direct Pumping</u>						
Colusa County WD					119,361	119,361
Contra Costa PP (Contra Costa WD)					1,375	1,375
Corning WD					20,635	20,635
Cross Valley Canal Contractors (Dos Amigos & Banks)					234,846 5/	234,846
Dunnigan WD					1,048	1,048
Kanawha WD					13,642	13,642
Orland-Artois WD					37,041	37,041
Panoche WD					585	585
Proberta WD					2,447	2,447
San Benito County WD						
Gianelli, WR Pump Generator					87,492 4/	87,492
Gianelli, WR Pump Gen O&M	6/					
Pacheco PP					78,846 4/	78,846
Glenn Valley WD					808	808

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<u>Direct Pumping (Continued)</u>						
	1/					
Santa Clara Valley WD						
Coyote PP					602 4/	602
Gianelli, WR Pump Generator					2,300 4/	2,300
Gianelli, WR Pump Gen O&M	6/					
Pacheco PP					2,072 4/	2,072
San Luis WD					190,774	190,774
Westlands WD:						
Pleasant Valley PP					210,815	210,815
Pleasant Valley Relifts					20,496	20,496
SLC Relifts					1,028,755	1,028,755
Westside WD					9,923	9,923
Wintu PP (Bella Vista WD)					50,652	50,652
Total Direct Pumping					2,114,515	2,114,515
<u>San Luis Drain & Kesterson Reservoir</u>						
Kesterson Reservoir	8/	532,000		532,000		532,000
San Luis Drain		339,000		339,000		339,000
Total San Luis Drain & Kesterson Reservoir		871,000		871,000		871,000
Sub-total		16,587,463		16,587,463	10,350,556	26,938,019
<u>Water Marketing Expense</u>						
Suisun Marsh Protection		980,023		980,023		980,023
Contract Administration		7,131,801		7,131,801		7,131,801
Water & Power Systems Control		7,301,234		7,301,234		7,301,234
Other Expenses (Includes Sly Park)		7,708,948		7,708,948		7,708,948
General Expense	9/	519,773		519,773		519,773
Non-Permanent Contractor Revenue	10/	(2,300,000)		(2,300,000)		(2,300,000)
Trinity Public Utilities Assessment	11/	152,214		152,214		152,214
Total Water Marketing		21,493,993		21,493,993		21,493,993
Less: Direct Billed		(1,425,302)		(1,425,302)	(7,556,922)	(8,982,224)
Grand Total		36,656,154		36,656,154	2,793,634	39,449,788

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FOOTNOTES

- 1/ See Table 6, Allocated CVP Operation and Maintenance Costs, Fiscal Year 2004 (except Black Butte, Buchanan, and Hidden Reservoirs).
2/ Not used.
3/ Estimated based on the most recent 5-year average of actual Irrigation O&M costs (Corps of Engineers) per the Financial Statement (Schedules 19 & 25).
4/ Suballocation of San Felipe Unit Direct Pumping Costs:

Contractor	2004 Projected Deliveries (Sch A-12)	Ratios	Direct Pumping Allocation (Sch A-10) 7/			
			William R. Gianelli Pump-Generator Plant PUE	Pacheco PP	Coyote PP	Grand Total
San Benito County WD	24,073	0.97439	87,492	78,846		166,339
Santa Clara Valley WD	633	0.02561	2,300	2,072	602	4,974
Total San Felipe	24,706	1.00000	89,792	80,919	602	171,313
Total San Felipe	24,706	0.00969				
All Other Contractors	2,524,862	0.99031				
Total Storage Del.	2,549,568	1.00000				

- 5/ See Schedule A-11, Page 4, Footnote 4 for breakdown of costs by contractor.
6/ O&M costs for Gianelli, WR Pump Generator plant were combined with the B.F. Sisk Dam and Reservoir. For San Felipe Unit, O&M for Gianelli, WR PGP will be included as part of storage and not under direct pumping as in previous years rates through 1999.
7/ Storage Costs are broken down between San Felipe Unit Contractors and all others as follows:

Determination of Storage Rates	San Felipe Unit	All Other Contractors	Total
Projected 2004 Storage Deliveries	Storage 24,706	Storage 2,524,862	2,549,568
Ratios	0.00969	0.99031	1.00000
Allocated William R. Gianelli PG Costs:			
Project Use Energy Costs (Includes Regeneration Credit/Sch A-10)		2,222,411	2,222,411
Regeneration Credit		(1,613,028)	(1,613,028)
Allocated Other Storage O&M Costs	139,157	14,221,740	14,360,897
Total	139,157	14,831,123	14,970,280
Rate per Acre-foot	5.63	5.87	

- 8/ Kesterson Reservoir costs include site cleanup activities.
9/ General & Administrative (G&A) expenses have been incorporated into Water Marketing costs. Reimbursable costs are based on 18.5 percent of the total G&A costs included on Table 6 (see sources). Irrigation's share is based on the ratio of 2004 projected deliveries for Irrigation to the total Irrigation & M&I deliveries.
10/ Non-permanent revenue was calculated using a 5-yr average of the most recent actual non-permanent revenue (from Schedule B-2) rounded to the nearest thousand.
11/ BOR's portion of the FY 2004 Trinity PUD assessment was allocated to Irrigation and M&I using projected deliveries for FY 2004.

Sources:
Sch A-12 (IRR & M&I) COE Allocation Support Sheet
Sch A-11 ; Sch A-10 Allocated CVP Operation and Maintenance Costs, Fiscal Year 2004, Table 6